Specification of Competency Standards for the Manufacturing Technology Industry Unit of Competency

Functional Area - Product Manufacturing

Title	Correction mould description
	Carry out in-mould decoration
Code	106436L3
Range	This unit of competency is applicable to the production department of the plastic industry corporation. Practitioners should be capable to carry out in-mould decoration
Level	3
Credit	6 (For Reference Only)
Competency	 Performance Requirements Understand relevant knowledge of all kinds of in-mould decoration Recognise the difference between IML and IMR Recognise in-mould decoration technology and the final effectiveness, and whether there is an existing suitable in-mould decoration materials in the market Recognise the methods and techniques of manufacturing films Recognise the impacts of the requirements of product design, colour pattern and distribution on the film geometry Recognise methods and techniques of the preformed films, such as thermoforming, vacuum forming, mechanical shearing and laser cutting, so as to produce a three-dimensional in-mould decoration Understand the principles, characteristics and applications of in-mould decoration Understand the manufacturing methods, techniques and required equipment of in-mould decoration Understand the methods and techniques of equipping films, such as using fixed or adsorption device Understand the coordination between the films and the tooling Apply in-mould decoration in production and carry out evaluation and improvement Determine if the products are suitable for in-mould decoration Carry out suitable in-mould decoration of products in accordance with different quality requirements Operate manipulator to take a film, put the film into the in-mould decoration Analyse the quality problems of in-mould decoration and carry out improvement Determine the effectiveness of the production efficiency of in-mould decoration Analyse the quality problems of in-mould decoration and carry out improvement, carry out in-mould decoration Analyse the quality problems of in-mould decoration and carry out improvement Determine the type of defects, prevent and fix defects Follow safety guidelines, related codes of practice and design requirement, carry out in-mould decoration Detailedly
Assessment Criteria	 The integrated outcome requirements of this unit of competency are: Capable to describe the methods and techniques of equipping films Capable to make use of tooling, put the film into the in-mould with the plastics and form togethe7
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